



South Coast Air Quality Management District

Engineering & Compliance

*Policies &
Procedures*

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING DIVISION MEMORANDUM

DATE: December 13, 1991
TO: Engineering Division Staff
FROM: Nick Nikkila /s/ Nick
SUBJECT: Detailed Air Quality Modeling Analysis
Requirement of Regulation XIII

In accordance with Rule 1303(b)(1), a more detailed air quality modeling analysis is required if the emissions are greater than the allowable limits as specified in Table A-1 of Appendix A. However, the rule does not specify whether a detailed air quality modeling analysis is required only for the air contaminants exceeding the limits or for all the air contaminants in case only one or two contaminants exceed the allowable limits.

In the previous version of Reg XIII, if one of the air contaminants exceeded its net emission threshold limit, a detailed air quality modeling was required for **all contaminants** to show that “the new source or modification will not cause a violation, or make measurably worse an existing violation, of any national ambient air quality standard.” This policy was adopted because there wasn’t any correlation between the emission threshold limits in the old Reg. XIII and the allowable concentration limits which modeled concentrations had to meet.

In contrast, the allowable limits in Table A-1 are back-calculated from the results of air quality modeling analyses. Thus, if an air contaminant’s emission level is below the allowable limit in Table A-1, no additional air quality modeling is required. Therefore, a more detailed air quality modeling should be required only for the air contaminants exceeding the allowable limits in Table A-1 of Appendix A in Rule 1303.

MN:BJC:modleing
cc: Chris Marlia, Planning and Rules Division